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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

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Applicant's or agent's file reference OPP030102KR	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/KR2003/001812	International filing date (day/month/year) 04 SEPTEMBER 2003 (04.09.2003)	Priority date (day/month/year) 05 SEPTEMBER 2002 (05.09.2002)
International Patent Classification (IPC) or national classification and IPC IPC7 C04B 16/04		
Applicant KWAK, Sang-Woon		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 4 sheets, including this cover sheet.
- ☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).
- These annexes consist of a total of _____ sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 02 APRIL 2004 (02.04.2004)	Date of completion of this report 27 DECEMBER 2004 (27.12.2004)
Name and mailing address of the IPEA/KR  Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140	Authorized officer KIM, Yong Jung Telephone No. 82-42-481-5557 

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/KR2003/001812

I. Basis of the report

1. With regard to the elements of the international application:*

- ☒ the international application as originally filed
- ☐ the description:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the claims:
 pages _____, as originally filed
 pages _____, as amended (together with any statement) under Article 19
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the drawings:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the sequence listing part of the description:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language English which is

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☒ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this opinion as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item I and annexed to this report.

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V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-11	YES
	Claims	None	NO
Inventive step (IS)	Claims	None	YES
	Claims	1-11	NO
Industrial applicability (IA)	Claims	1-11	YES
	Claims	None	NO

2. Citations and explanations (Rule 70.7)

1) Claims 1-11 of the present invention relate to a resin mortar composition for construction including room temperature curable organic liquid phase resin, glass beads, glass powder, and glass fiber; and a method of constructing a floor by using the same.

2) D1 is the closest prior art document to the present invention.
D1: KR 2001-108579 A (08 DECEMBER 2001)

D1 relates to resin mortar for construction manufactured by mixing epoxy resin, spherical glass beads, glass powders, and glass filler and a method of using the same in construction comprising the steps of adding hardening agent into the resin mortar, mixing and agitating the resultant so as to be easily moved by using a rake and used in construction.

3) Novelty & Inventive step

The present invention is substantially the same as D1 in the purpose of providing a resin mortar composition which is excellent in fluidity, storability, surface scratch resistance, and self-leveling property and a method of using the same in construction; in the technical feature of the resin mortar composition for construction including room temperature curable organic liquid phase resin, glass beads, glass powder, and glass fiber; and in the method of constructing a floor with the same comprising the steps of primer coating, spraying said mortar on the floor, and hardening it.

Though the present invention defines the composition rate of the ingredients of the mortar composition, and presents an additional use of solvent and a method of removing vesicles by spraying glass beads during construction, the composition rate of the ingredients can be alternatively modified by a person skilled in the art depending on the desired best mode, and the additional use of solvent and a method of removing vesicles by spraying glass beads can be also regarded as a simple modification capable of being done in the design. And the effect thereof is not remarkable so as to go beyond the expectation.

(Continued on Supplemental Sheet)

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of:

Box No. V

Accordingly, claims 1-11 of the present invention are novel under PCT Article 33(2), but not inventive under PCT Article 33(3).

4) Industrial Applicability

Claims 1-11 of the present invention directed to a resin mortar composition for construction and a method of constructing a floor by using the same, are considered to be industrially applicable under PCT Article 33(4).